



American Recovery and Reinvestment Act 2009

Project Description:

Replacement of Bridge No. 00340 - Amtrak Railroad over U.S. Route 1 in Branford

Project No.
14-157

Report Date:
December 1, 2013



Project Scope:

Project 14-157 consists of 2,850' of reconstruction of US Route 1 to add turning lanes and to complete a uniform roadway section of 2 lanes in each direction. This project also consists of 4,440' of reconstruction of Amtrak's Northeast Corridor to accommodate the necessary higher grade associated with the new bridge, as well as temporary horizontal shifts in the track alignment required to maintain two tracks for rail service during construction. The new bridge will be longer than the existing bridge to allow for five travel lanes and sidewalks on each side of the underpass.

Other major features are the construction of a 170' long twin 8' by 3' concrete box culvert under US 1, and nearly 2,500' of retaining walls to support the railroad. Full reconstruction and widening of sections of US Route 1.



Financial Sources (Construction only):

- \$44,706,241.35 Contractor's bid
- 100 % Federal ARRA funding

Timeline:

- Awarded: June 24, 2009
- Start Date: August 13, 2009
- Forecasted completion: Fall, 2013

Challenges and Risks:

The major challenge for this project is removing the existing Amtrak railroad bridge and installing a new Bridge **without** interfering with Amtrak Electrified High Speed Trains. All Bridge work on the project has to be performed around train traffic. Most of this work will have to be performed at night during off peak hours due to train traffic and vehicle traffic on Route 1. Extensive utility work on the Amtrak Bridge as well as US Route 1 will bring an added challenge regarding Utility relocation work required for the completion of the Project. A heavily traveled US Route 1 in the heart of the commercial/business district in the Town of Branford will also put heavy demands on Maintenance and protection of traffic. This construction project is a five years job, and will place technical demands throughout the length of the project. Management of project costs and change orders will also be challenging since the project is 100% ARRA funded and the design of the project dates back about 10 years.

Outlook:

The Contractor on the project is highly qualified and has extensive experience on this type of work. The Contractor has also worked on other major projects with Amtrak.

Recent Activity:

The new traffic signal installation at U.S. Route and Alps Road is operational but not complete. Interconnect still must be installed.

Traffic signal installation continues at various intersections on Route 1.

U.S. Route 1 roadway reconstruction was completed and traffic relocated into final alignment.

Installation of Communication Conduits for AT&T and Verizon are installed. Amtrak Communication cables will be completed before the end of December.



Recent Activities Cont.

All concrete sidewalk work has been completed.

CL&P is relocating overhead utilities.

Future Work:

Traffic signal work will continue and will be complete by the end of December.

CL&P continues to relocate overhead utilities onto new poles.

Landscaping and Metal Beam Rail operations will be complete at the end of December.

Under bridge luminarie equipment will be installed and complete at the end of December.

Major Milestones:

U.S. Route 1 has been open to final traffic alignment.

As of December 1, 2013, JF White/Empire Joint Venture has completed \$49,400,000.00 worth of construction.